

## **Modifications and Required Changes from Previous AdH Input Formats and Expected Simulation Differences (Version 4.3)**

- Wetting and drying has been modified to improve stability.
  - The primary mechanism for adjusting wetting and drying stability is still the DTL card (as it was before).
  - The best performance can be obtained by making the DTL value as large as necessary to achieve the desired stability, but not larger.
- The SDI card has been deactivated. Sediment time steps should be the same length as the hydro time steps.

### **Multiple Processor Execution:**

- A 64 bit Windows multiple processor version of AdH is now available. To utilize this capability you must have the HPC Pack SDK from Microsoft installed on your machine. We are unable to entertain requests for multi processor executables for other operating systems such as Mac OS, Linux etc. The generic command line for executing the Windows version is:

mpiexec -affinity -n processors adh.exe "filename"

### **Additional Information Sources:**

- A new AdH website has been launched. Our hope is that this site is better organized and provides users with more usable information. Currently the site is best viewed in Mozilla Firefox or Google Chrome. We are attempting to smooth out some Internet Explorer issues with some of the menus but it will function.
- The interactive user site has been updated for AdH (and is continuously being updated) on the Knowledge Hub (<https://knowledge.usace.army.mil/Login.aspx>). This site is currently only available to USACE employees. The site houses the user manual and quick reference as well as video instructions and other documentation. This site allows users to share knowledge and ask questions. This site will eventually replace the current AdH website for 2D shallow water and will become the primary means of communication with our development team. We encourage you to take a look at the Knowledge Hub user guides and join the Adaptive Hydraulics community.

For more information on these cards and up-to-date information, see the ADH 2-Dimensional Shallow Water Manual and the ADH Quick Reference at <https://adh.usace.army.mil>.